

Fig. 1

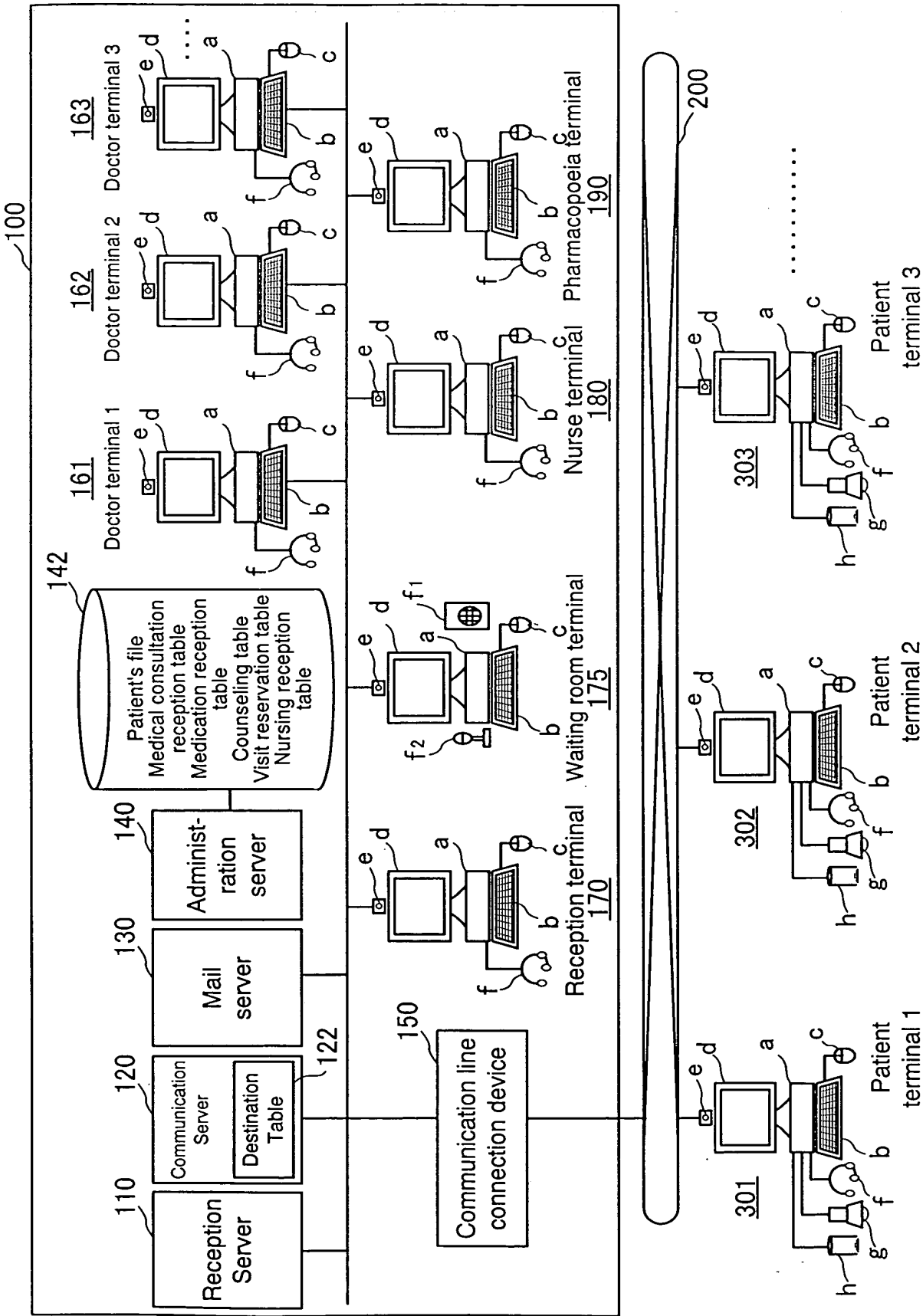


Fig. 2

DESTINATION TABLE IN THE COMMUNICATION SERVER

Kind of connection	Terminal Address					
	Waiting room terminal	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)
Waiting room						.....
Consultation room 1	(Doctor terminal 1)	(Patient terminal)				
Consultation room 2	(Doctor terminal 2)	(Patient terminal)				
Consultation room 3	(Doctor terminal 3)	(Patient terminal)				
Nursing room 1	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	.....
Nursing room 2	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	.....
Nursing room 3	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	(Patient terminal)	.....
Individual conversation room A	(Patient terminal)	(Patient terminal)				
Individual conversation room B	(Patient terminal)	(Nurse terminal)				
Individual conversation room C	(Patient terminal)	(Doctor terminal)				
Individual conversation room D	(Patient terminal)	(Waiting room terminal)				
Individual conversation room E	(Patient terminal)	(Reception terminal)				

Fig. 3

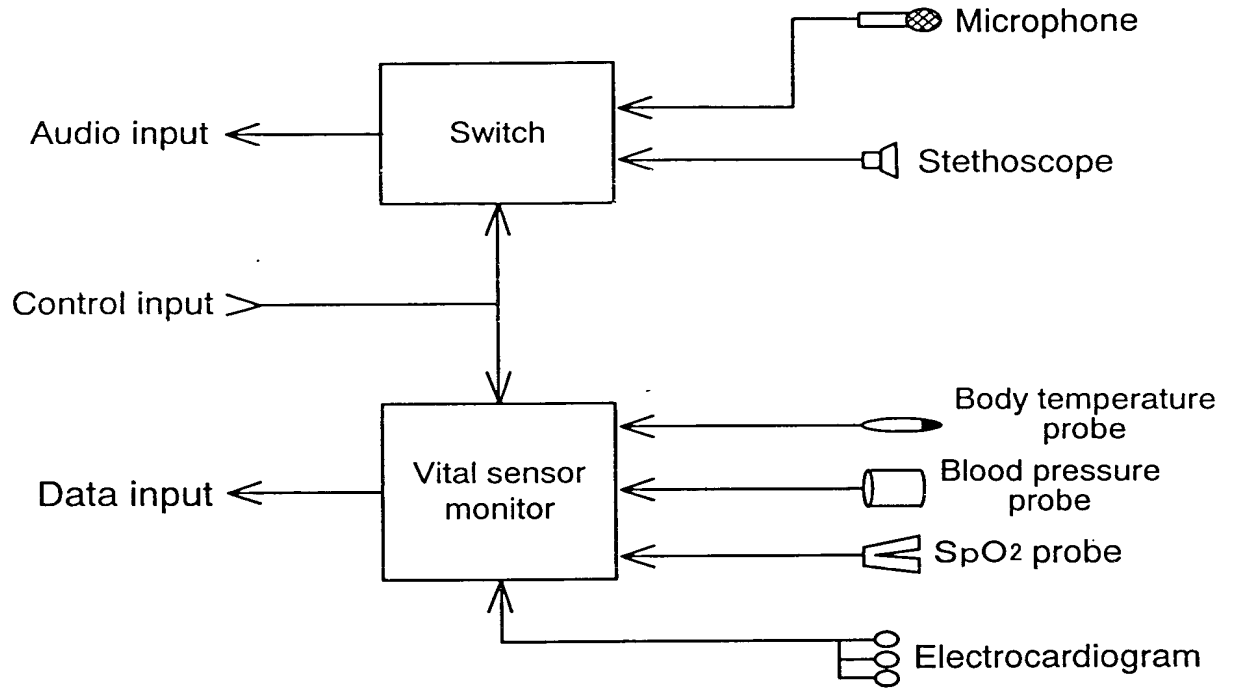


Fig. 4

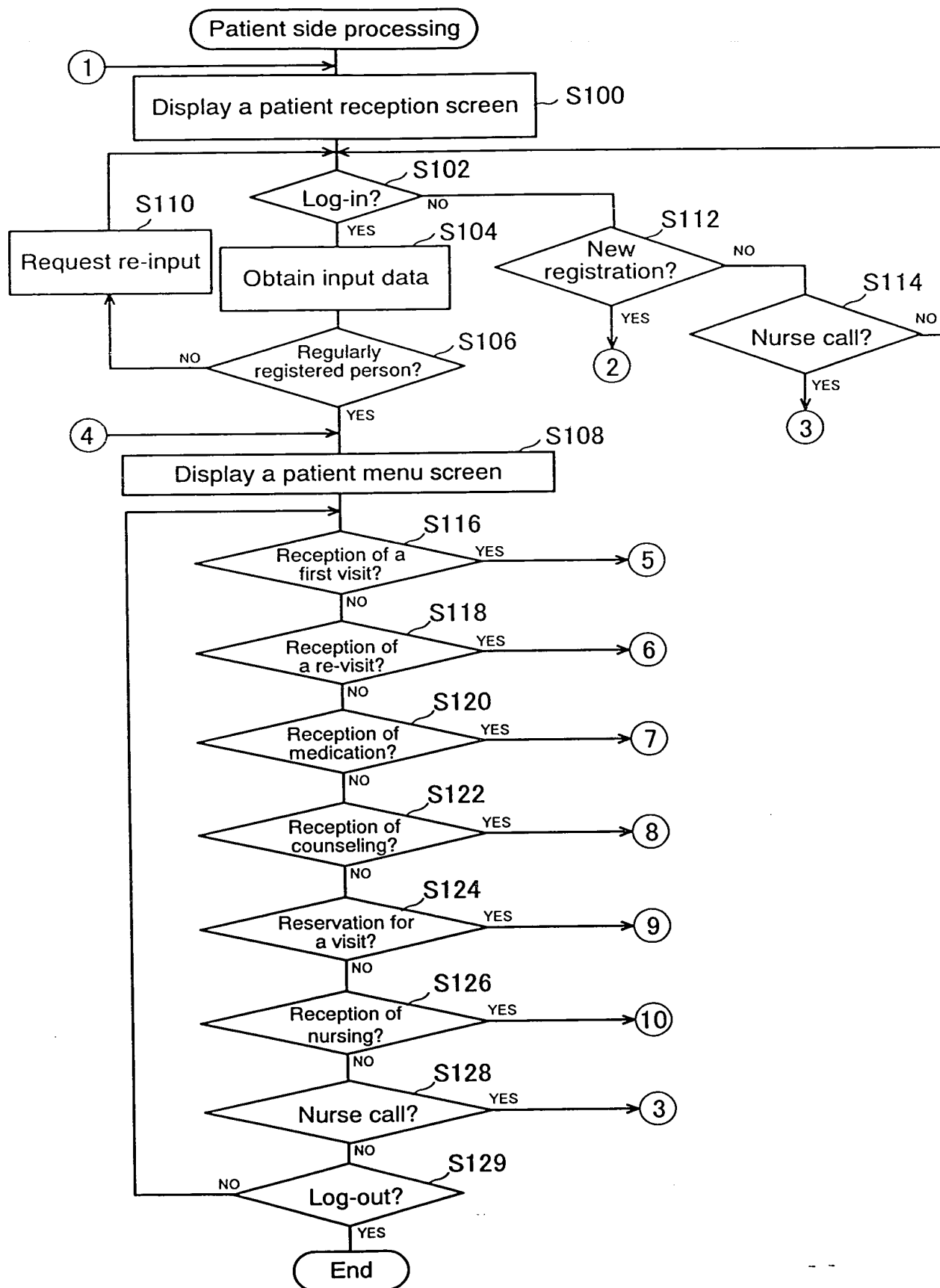


Fig. 5

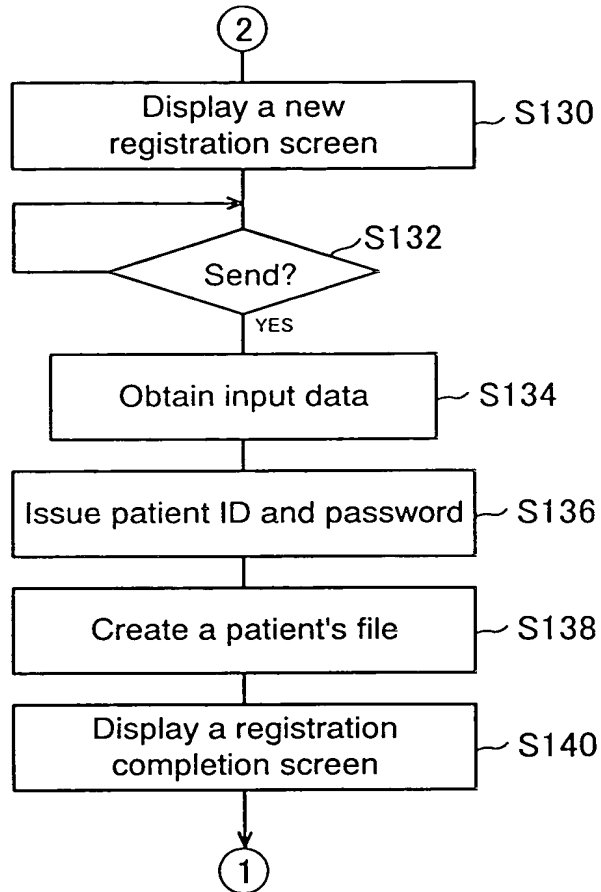


Fig. 6

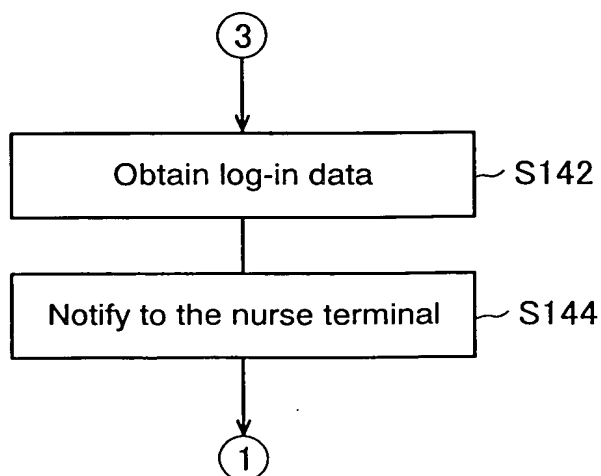


Fig. 7

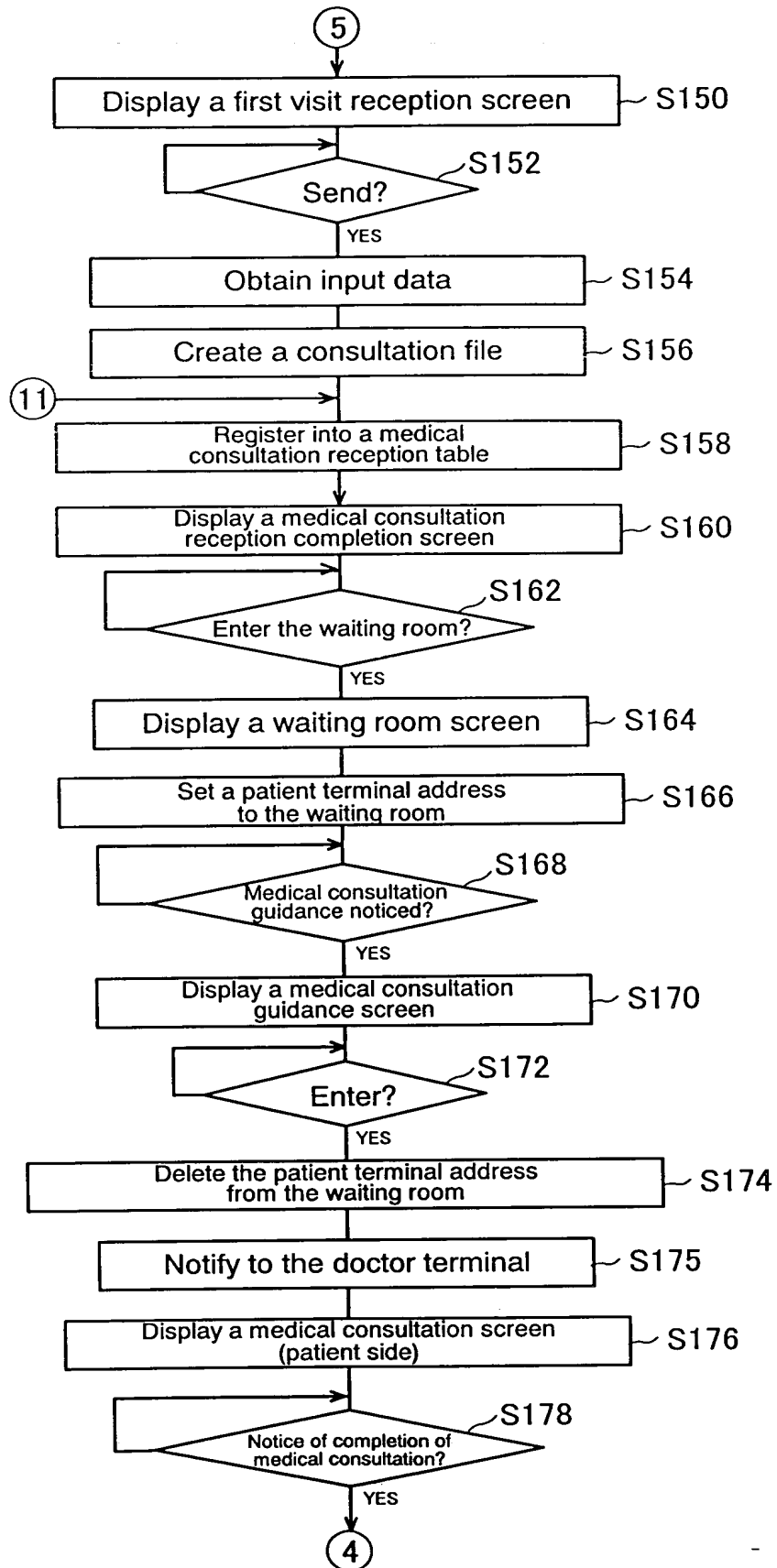


Fig. 8

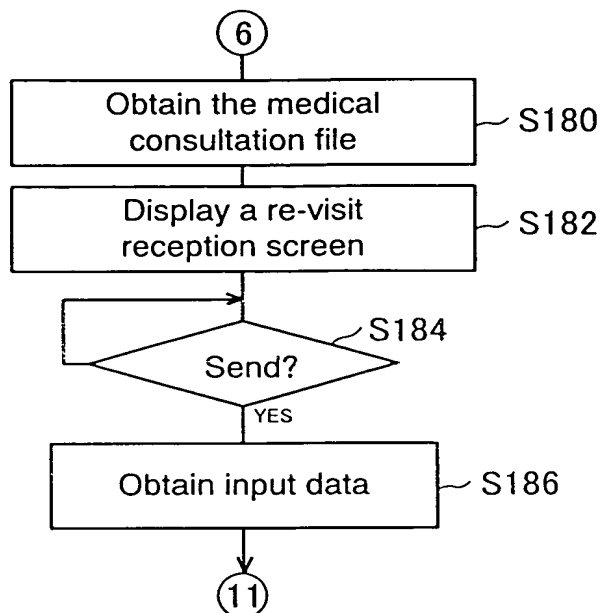


Fig. 9

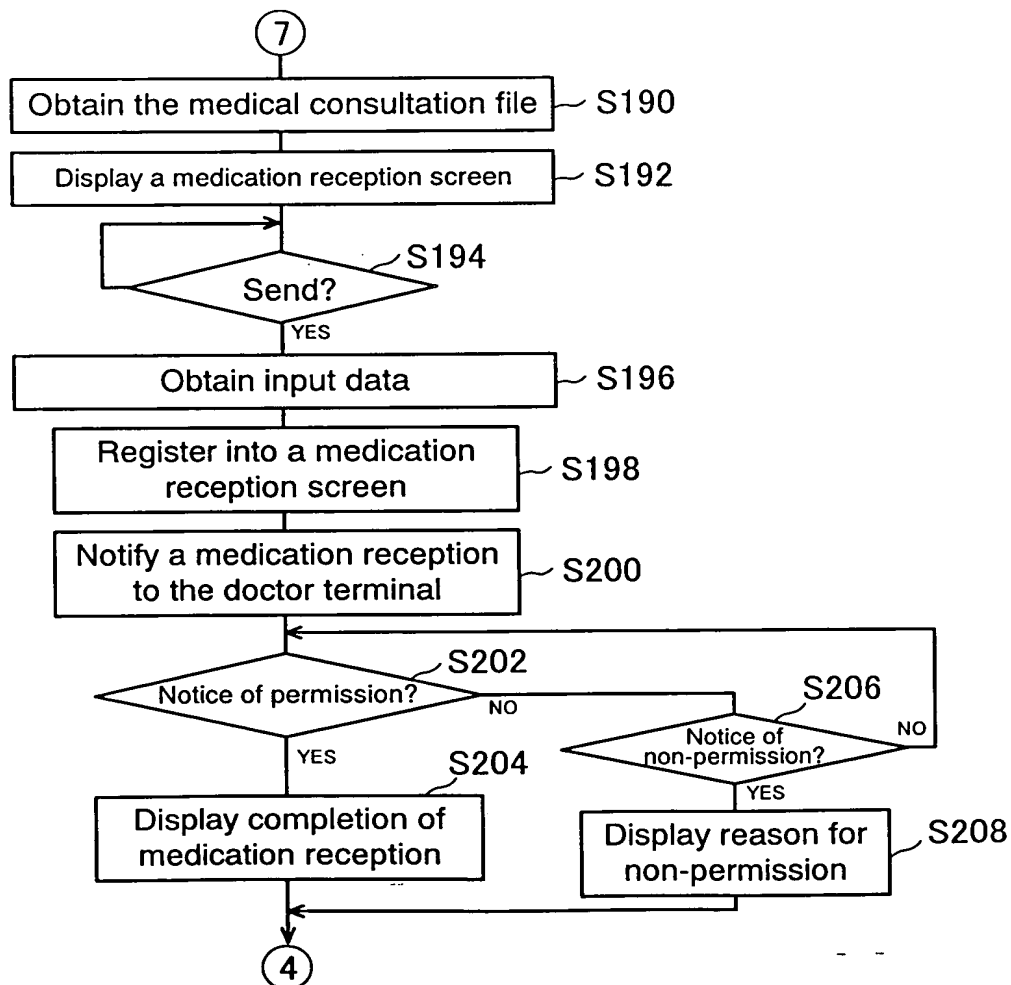


Fig. 10

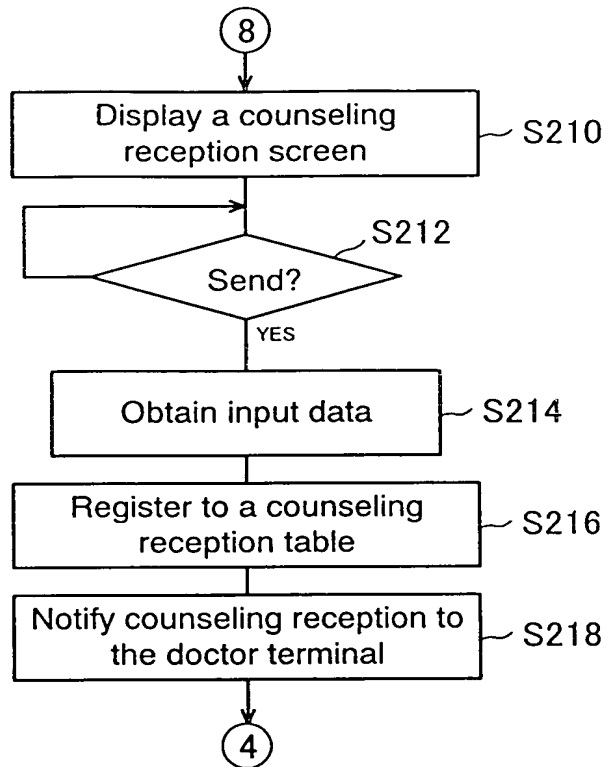




Fig. 11

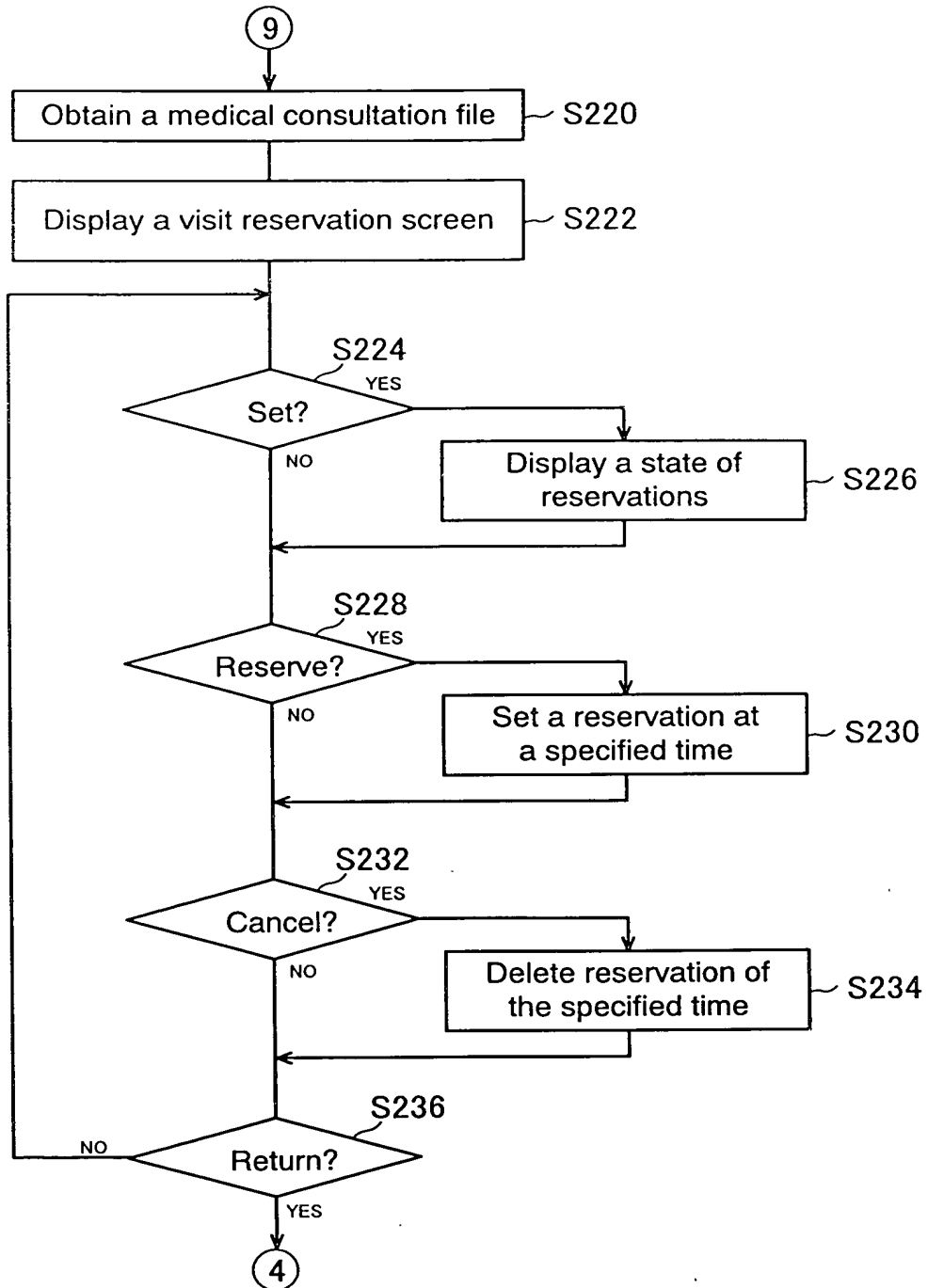


Fig. 12

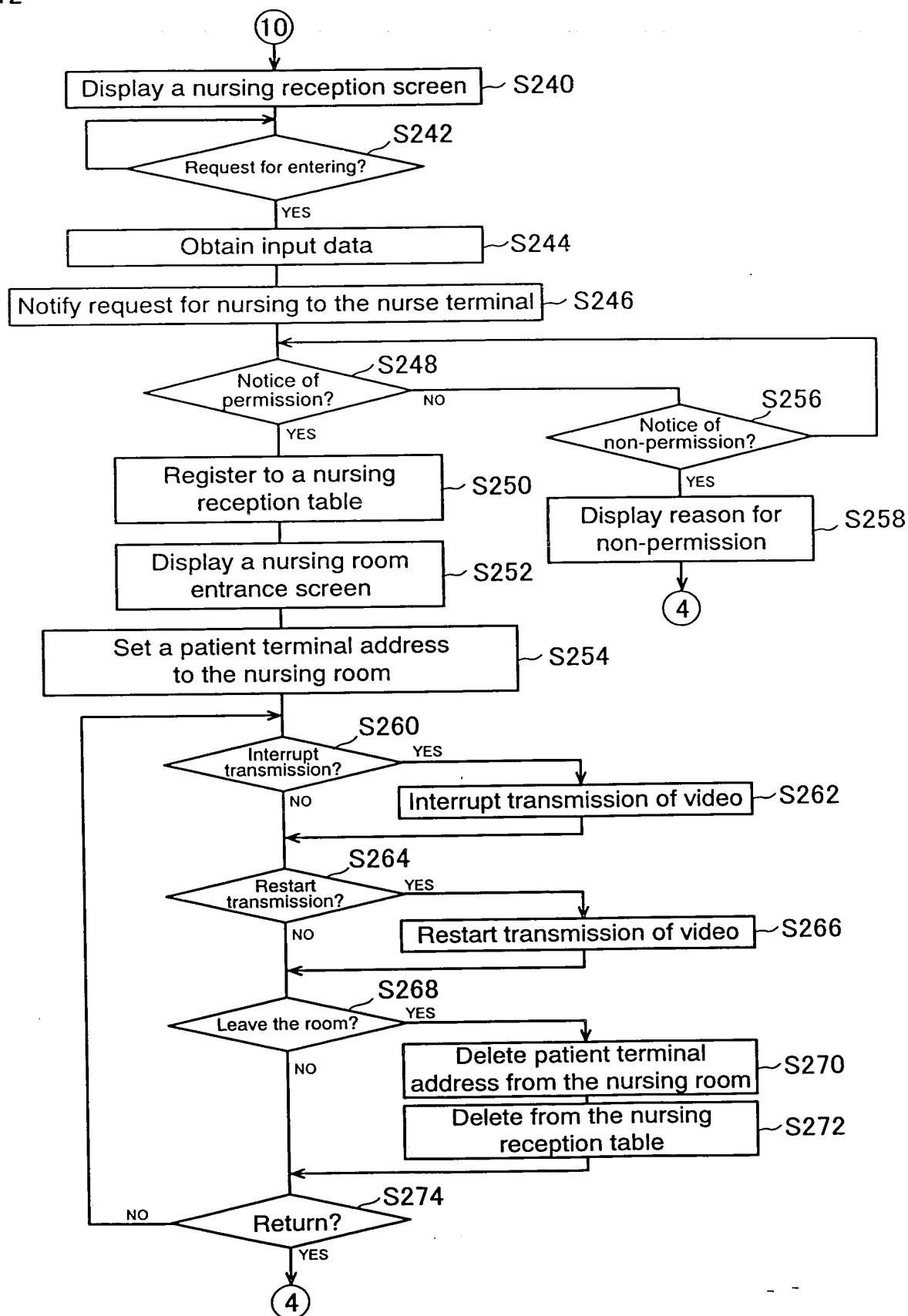


Fig. 13

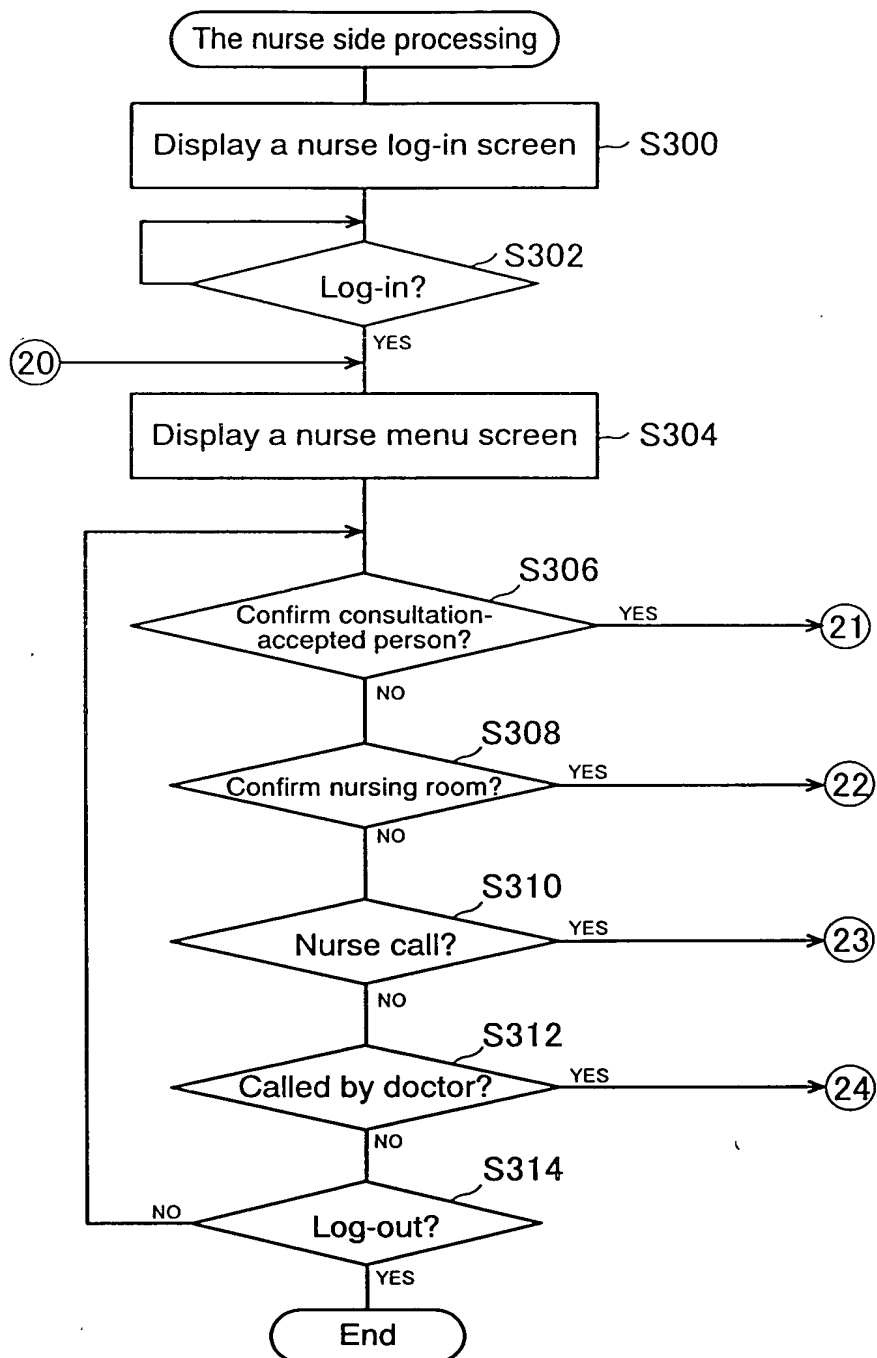


Fig. 14

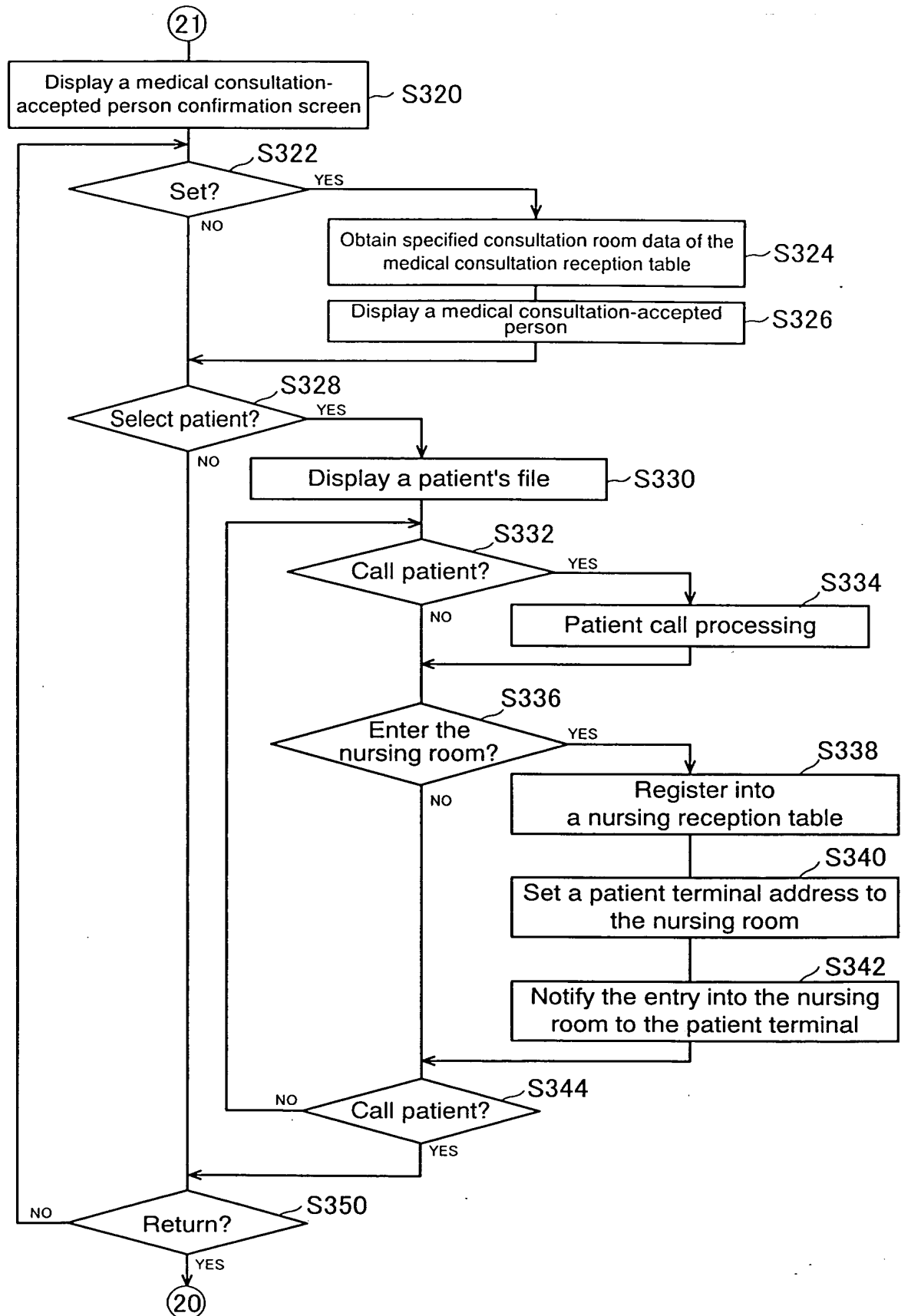


Fig. 15

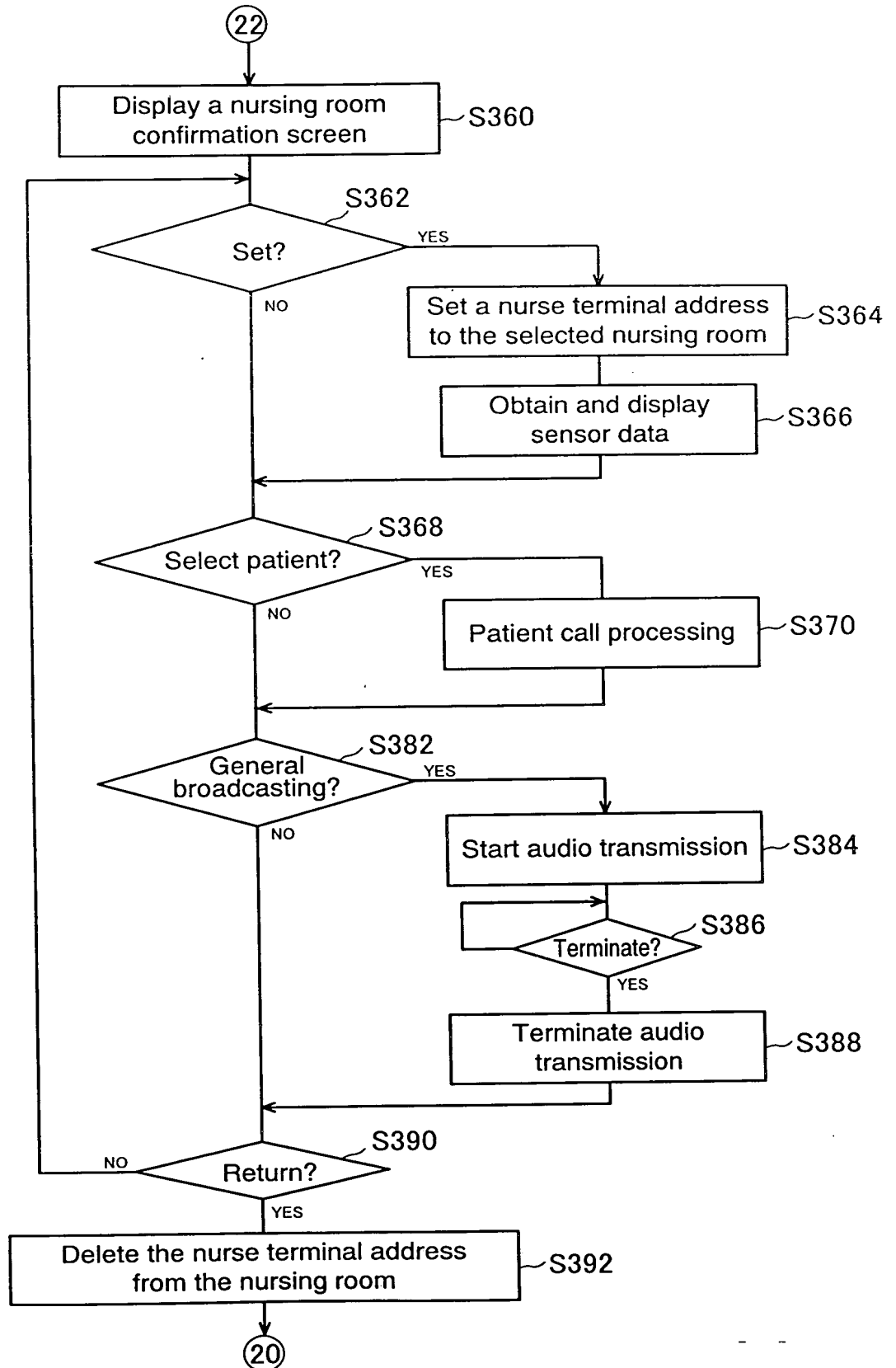


Fig. 16

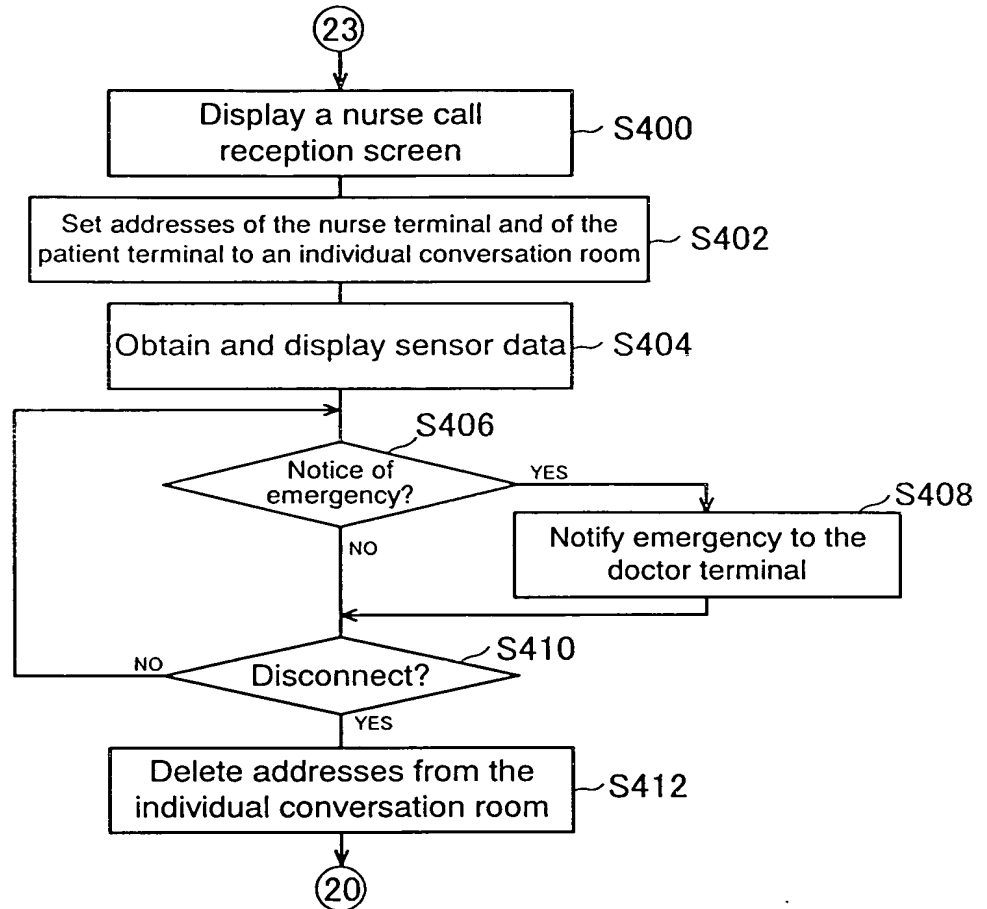


Fig. 17

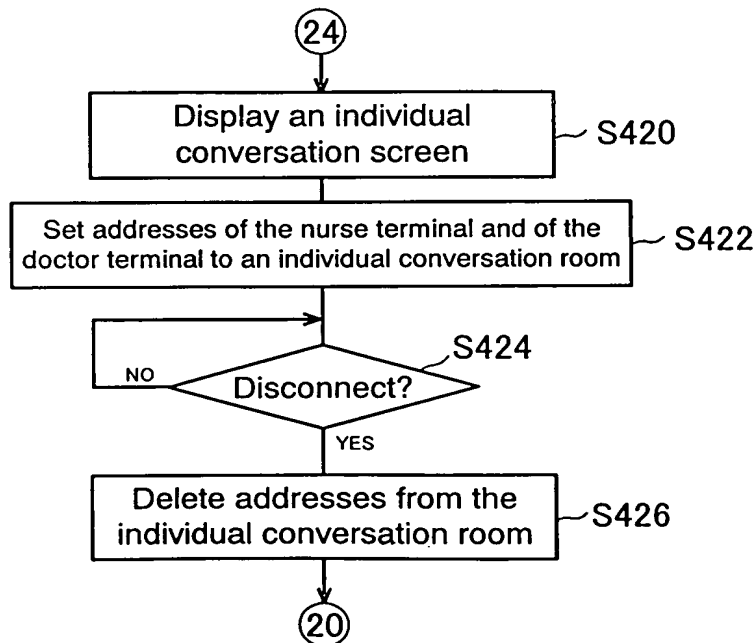


Fig. 18

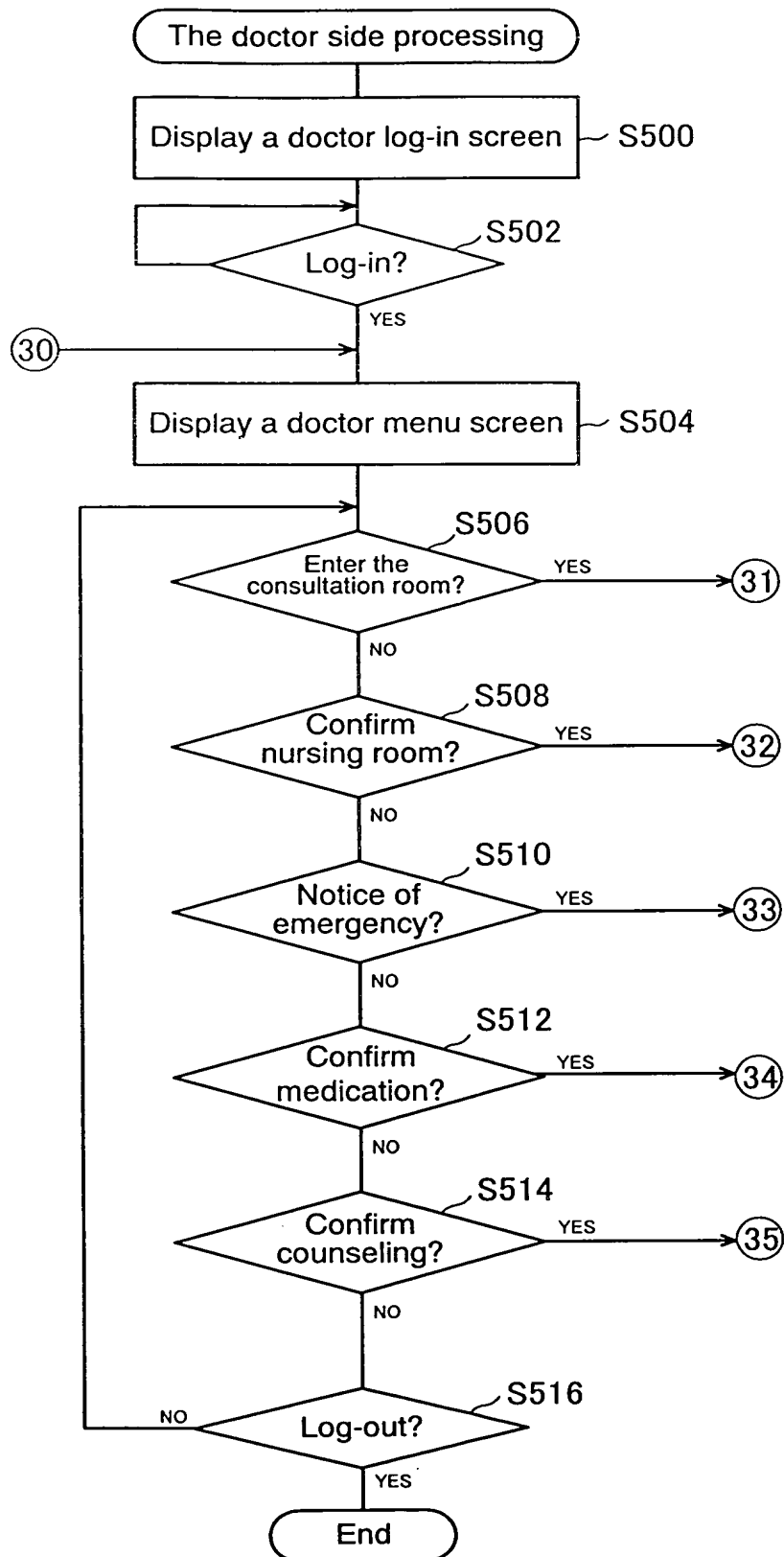


Fig. 19

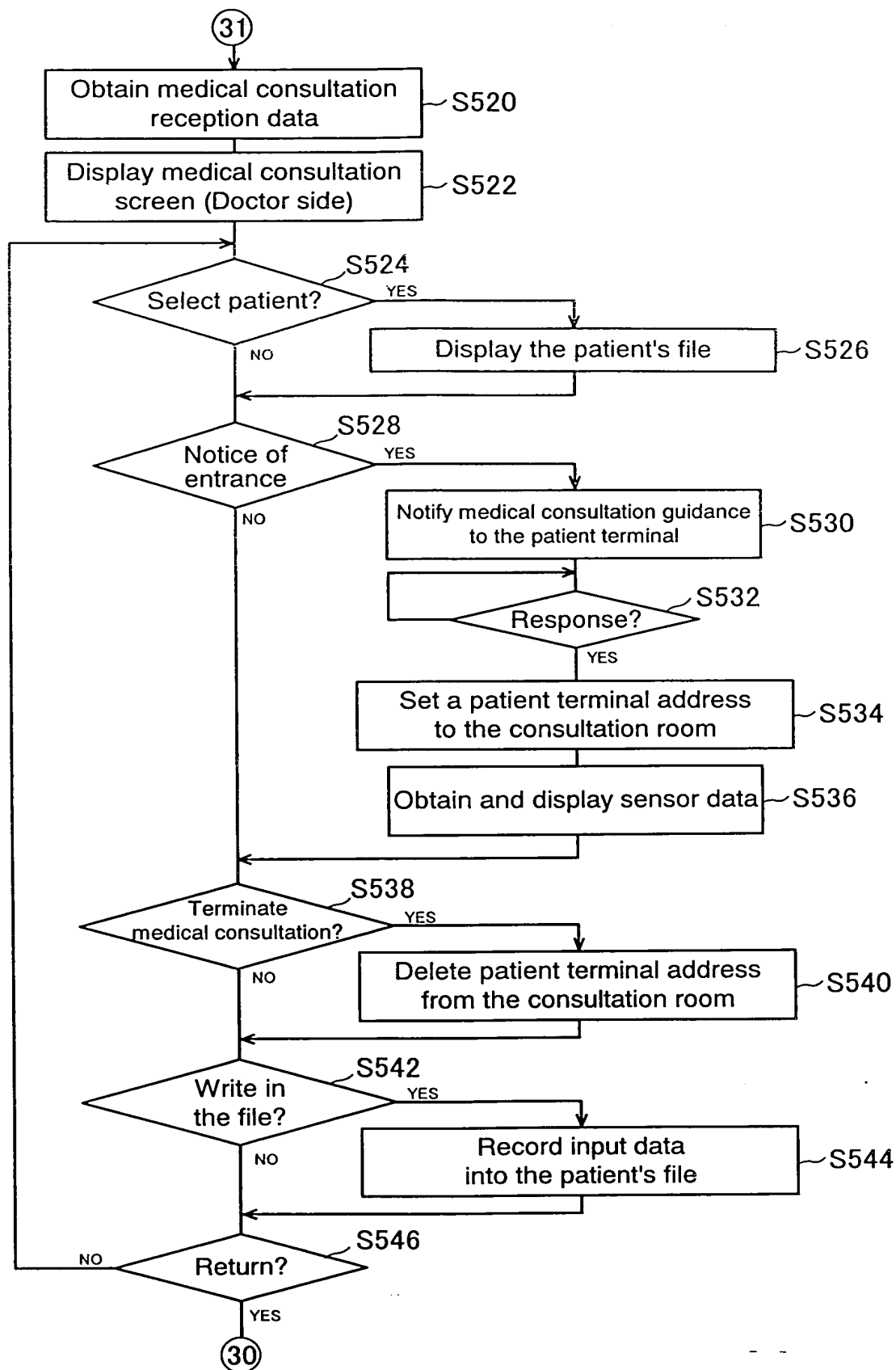




Fig. 20

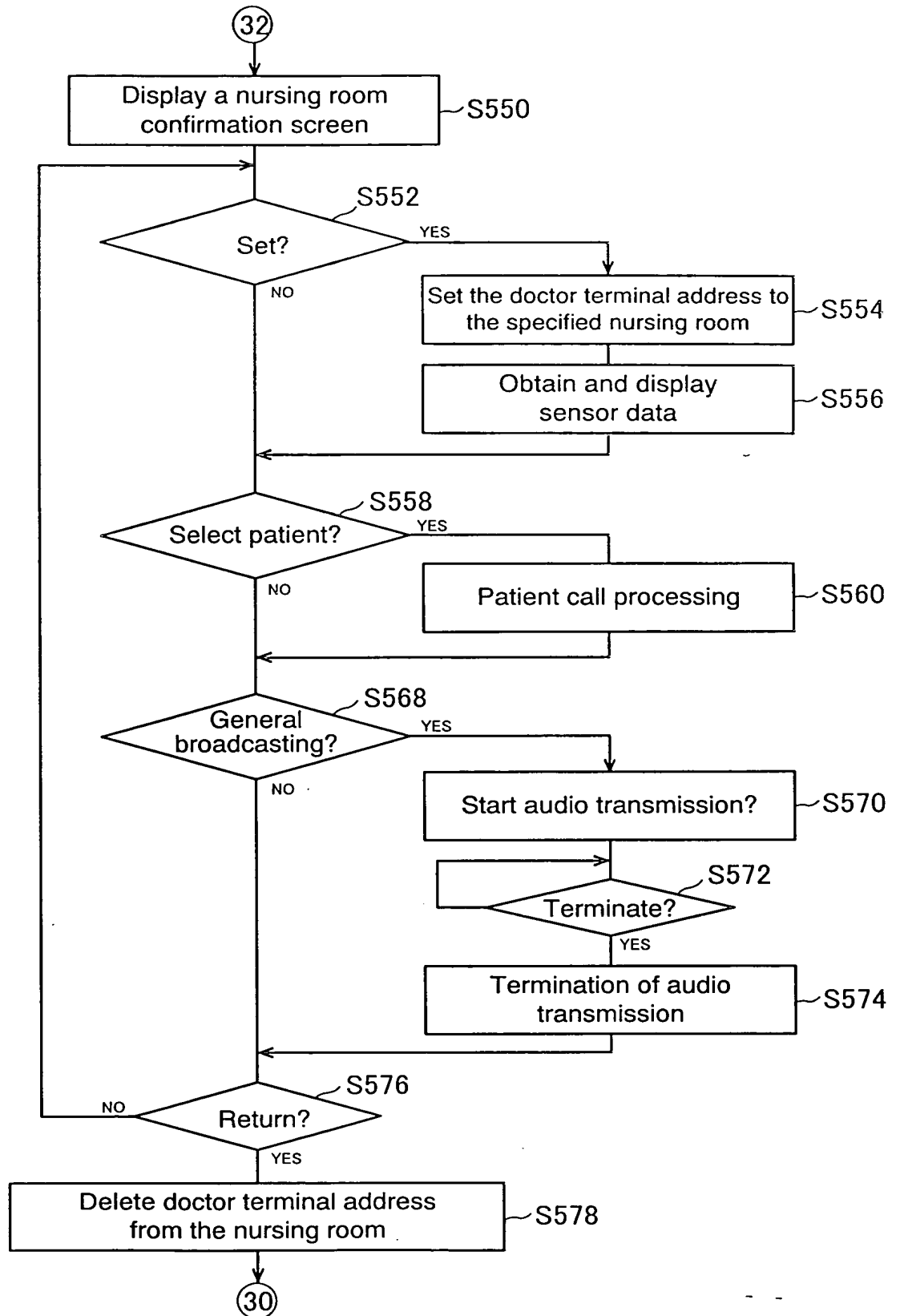


Fig. 21

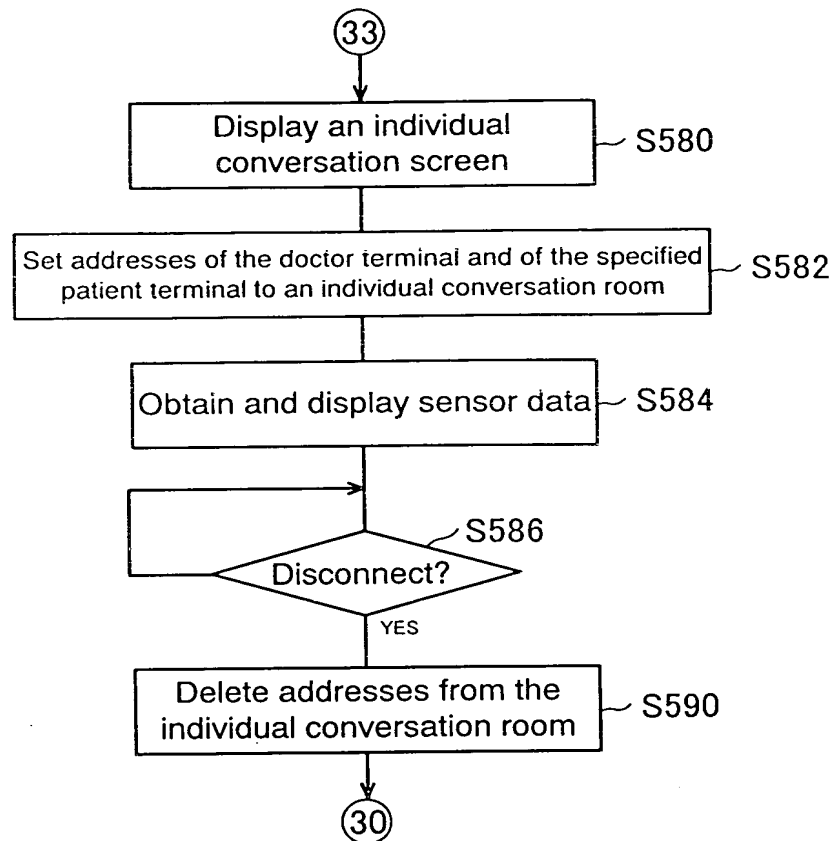


Fig. 22

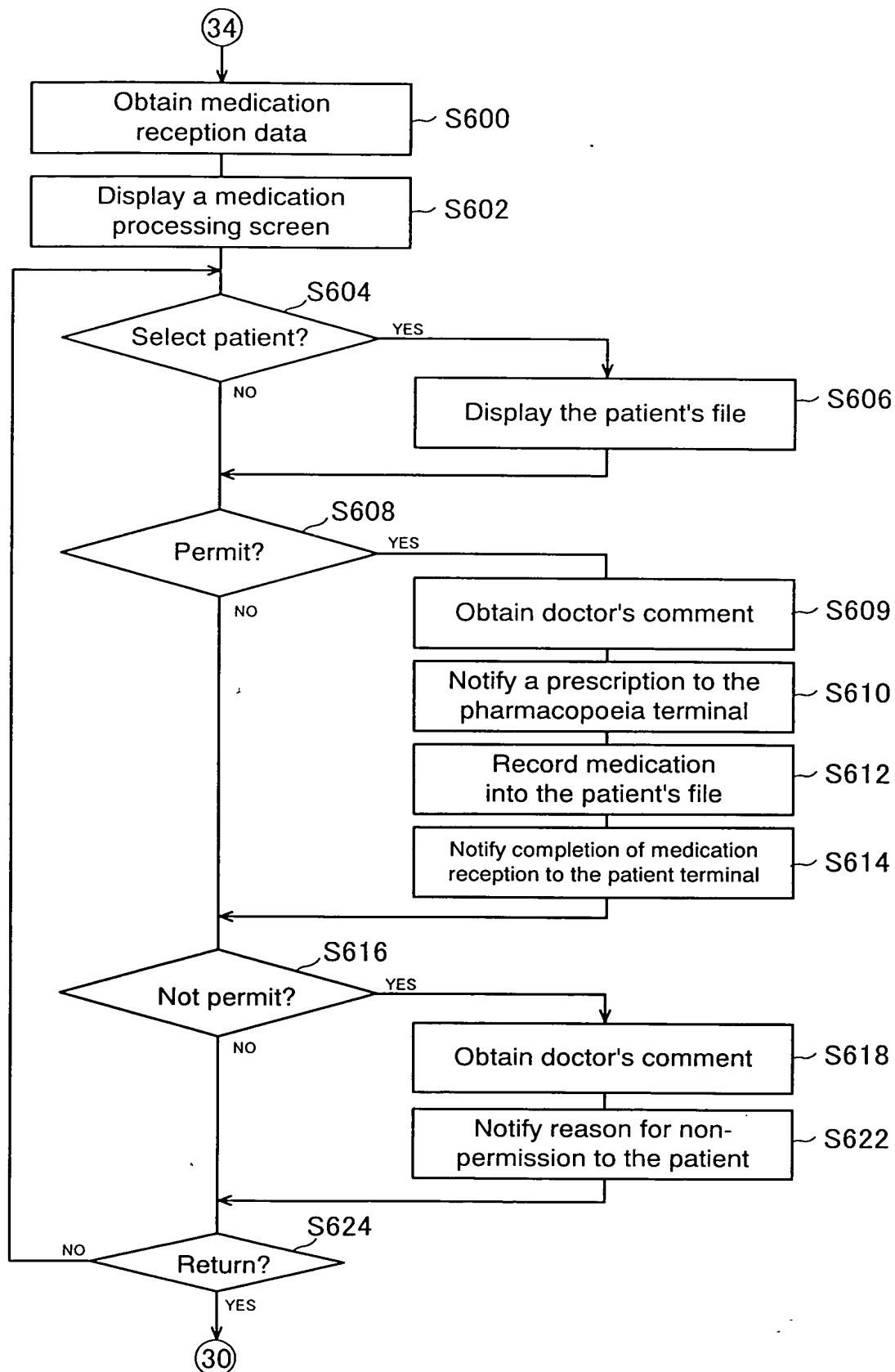


Fig. 23

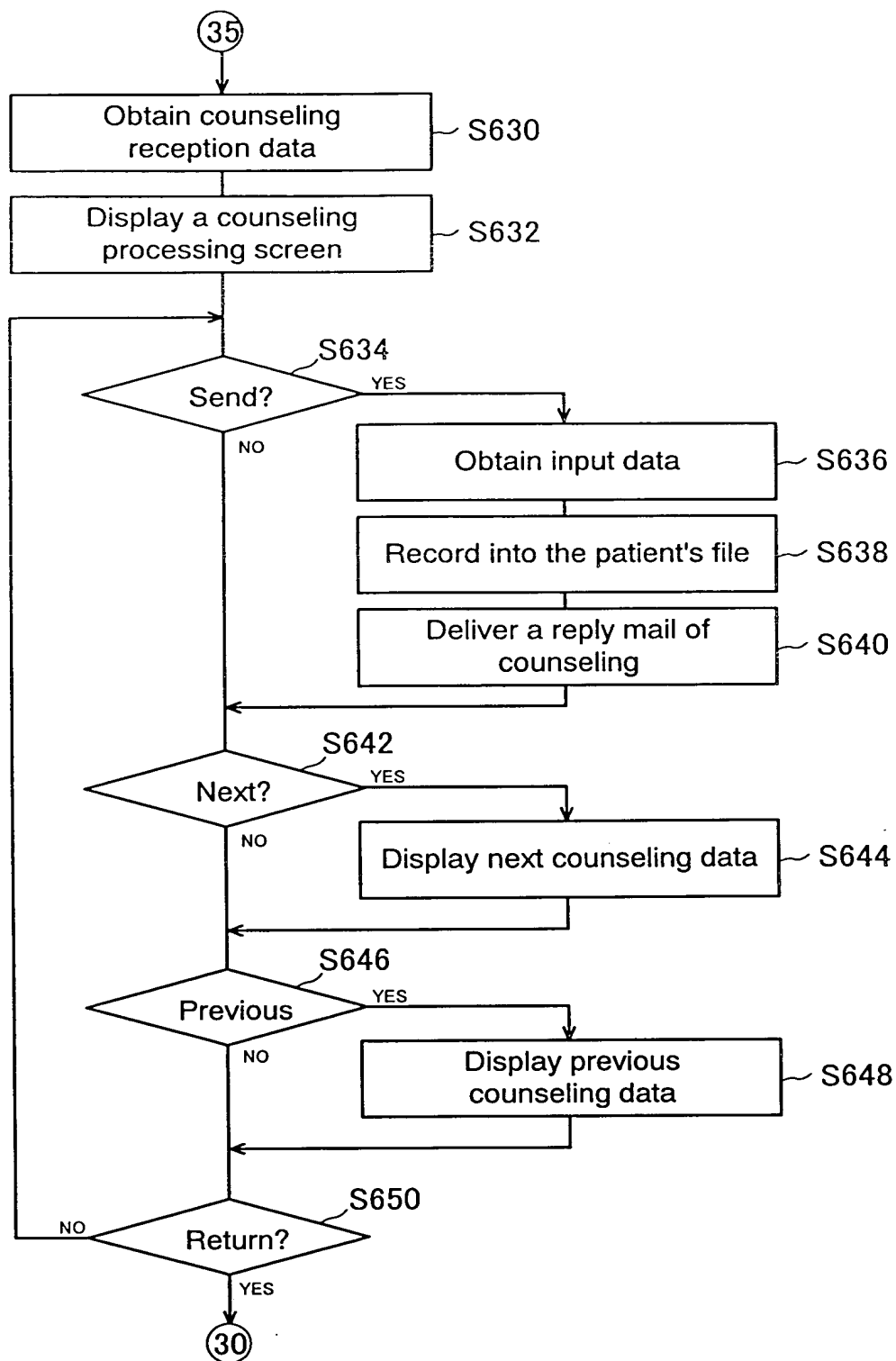


Fig. 24

PATIENT RECEPTION SCREEN

Patient ID

Password

[Click here](#) for new registration

Fig. 25

NEW REGISTRATION SCREEN

Name

Address

Date of birth

▽

 year 

▽

 month 

▽

 day

Sex

☐ Male

☐ Female

Insurance No.

Tel. No.

Person to be contacted  
in case of emergency

Tel. No. of above person

E-mail address

Doctor in charge

Anamnesis

Name of disease

When

Name of disease

When

Name of disease

When

Allergy

☐ No

☐ Yes

- Content

Send

Reset

Return

Fig. 26

PATIENT MENU SCREEN

Patient ID      XXXX  
Patient name    XXXX

Reception of first visit	Reception of re-visit	Reception of medication
Reception of counseling	Reservation for visit consultation	Reception of nursing

Log-out      Nurse call

Fig. 27

FIRST VISIT RECEPTION SCREEN		Call receptionist
Patient ID	XXXX	
Patient name	XXXX	
Select medical consultation department		
<input type="radio"/> Internal medicine	<input type="radio"/> Surgery	<input type="radio"/> Orthopedics <input type="radio"/> Dermatology
<input type="radio"/> Urology	<input type="radio"/> Gynecology	<input type="radio"/> Pediatrics <input type="radio"/> Psychiatry
<input type="radio"/> Ophthalmology	<input type="radio"/> Otolaryngology	<input type="radio"/> Dentistry
<input type="radio"/> Not sure		
Rational symptom		
<input type="text"/>		
Physical condition		
Appetite	<input type="radio"/> Normal	<input type="radio"/> Bad
Sleep	<input type="radio"/> Normal	<input type="radio"/> Bad
Bowel movements ( <input type="text"/> times per <input type="text"/> days )	<input type="radio"/> Watery	<input type="radio"/> Soft <input type="radio"/> Normal
	<input type="radio"/> Hard	<input type="radio"/> Black stool <input type="radio"/> Bloody stool
Urine ( <input type="text"/> times per <input type="text"/> days )		
Alcohols ( <input type="text"/> mls a day )	• Beer	( <input type="text"/> bottles a day )
Smoking ( <input type="text"/> cigarettes a day )		
<input type="button" value="Send"/>	<input type="button" value="Return"/>	<input type="button" value="Nurse call"/>



Fig. 28

MEDICAL CONSULTATION  
RECEPTION COMPLETION SCREEN

Patient ID            XXXX

Patient' name        XXXX

Medical consultation of the XX department  
accepted.  
Please enter the waiting room and wait.

Fig. 29

WAITING ROOM SCREEN

Video of the waiting room  
of a hospital






      
XXXX      XXXX      XXXX      XXXX      XXXX

Fig. 30

MEDICAL CONSULTATION GUIDANCE SCREEN

Patient ID            XXXX

Patient name        XXXX

Please enter the consultation room

Enter consultation room

Fig. 31

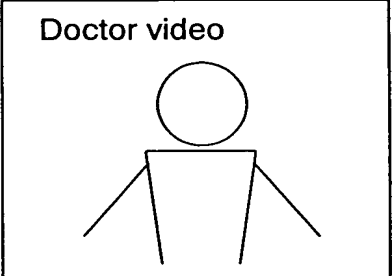
MEDICAL CONSULTATION SCREEN (PATIENT SIDE)

Patient ID            XXXX

Patient name        XXXX

Doctor name        XXXX

Doctor video



Sensor display

Body temperature XX°C

Pulse            XX

Blood pressure XX-XX

SpO2            XX

Fig. 32

RE-VISIT RECEPTION SCREEN

Call receptionist

Patient ID

XXXX

Patient name

XXXX

Select medical consultation department

☐ Internal medicine

☐ Dentistry

Rational symptoms (Write if any)

Send

Return

Nurse call

Fig. 33

<u>MEDICATION RECEPTION SCREEN</u>		Call receptionist
Patient ID	XXXX	
Patient name	XXXX	
Select medical consultation item		
<input type="radio"/> Internal medicine <input type="radio"/> Ophthalmology		
Rational symptoms (Write if any)		
<div><div></div><div>▲</div><div>▼</div></div>		
Send	Return	Nurse call

Fig. 34

COUNSELING RECEPTION SCREEN

Call receptionist

Patient ID

XXXX

Patient name

XXXX

Select medical consultation department

☐ Internal medicine

☐ Surgery

☐ Orthopedics

☐ Dermatology

☐ Urology

☐ Gynecology

☐ Pediatrics

☐ Psychiatry

☐ Ophthalmology

☐ Otolaryn-gology

☐ Dentistry

☐ Not sure

Content of counseling

Send

Return

Nurse call

<u>VISIT RESERVATION SCREEN</u>										Call receptionist																																									
Patient ID		XXXX																																																	
Patient name		XXXX																																																	
<p>Select medical consultation item</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <span><input type="radio"/> Internal medicine</span> <span><input type="radio"/> Dentistry</span> </div>																																																			
Date		<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	▼	month		<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	▼	day		<div style="border: 1px solid black; display: inline-block; padding: 5px 20px;">Set</div>																																									
<p>State of reservation</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Consultation room (doctor)</th> <th style="padding: 5px;">9</th> <th style="padding: 5px;">10</th> <th style="padding: 5px;">11</th> <th style="padding: 5px;">12</th> <th style="padding: 5px;">13</th> <th style="padding: 5px;">14</th> <th style="padding: 5px;">15</th> <th style="padding: 5px;">16</th> <th style="padding: 5px;">17</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">First(XXXX)</td> <td style="background-color: black;"></td> <td style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> </tr> <tr> <td style="padding: 5px;">Second(XXXX)</td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> </tr> <tr> <td style="padding: 5px;">Third(XXXX)</td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> <td style="background-color: black;"></td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <div style="width: 20px; height: 20px; background-color: black; margin: 0 auto;"></div> <div style="margin-top: 5px;">Reservation not permitted</div> </div> <div style="text-align: center;"> <div style="width: 20px; height: 20px; border: 1px solid black; margin: 0 auto;"></div> <div style="margin-top: 5px;">Reservation permitted</div> </div> <div style="text-align: center;"> <div style="width: 20px; height: 20px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); margin: 0 auto;"></div> <div style="margin-top: 5px;">Reserved</div> </div> </div>												Consultation room (doctor)	9	10	11	12	13	14	15	16	17	First(XXXX)										Second(XXXX)										Third(XXXX)									
Consultation room (doctor)	9	10	11	12	13	14	15	16	17																																										
First(XXXX)																																																			
Second(XXXX)																																																			
Third(XXXX)																																																			
<div style="border: 1px solid black; display: inline-block; padding: 10px 30px;">Reserve</div>			<div style="border: 1px solid black; display: inline-block; padding: 10px 30px;">Cancel</div>			<div style="border: 1px solid black; display: inline-block; padding: 10px 30px;">Return</div>			<div style="border: 1px solid black; display: inline-block; padding: 10px 30px;">Nurse call</div>																																										

Fig. 36

NURSING RECEPTION SCREEN

Call receptionist

Patient IDXXXX

Patient nameXXXX

Rational symptoms (Write if any)

Request for entering  
nursing room

Return

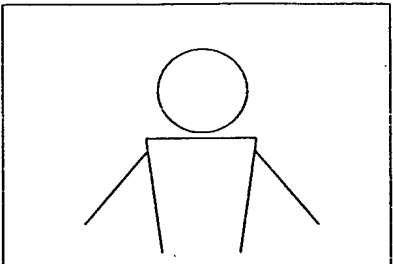
Nurse call

Fig. 37

NURSING ROOM ENTRANCE SCREEN

Patient ID	XXXX	Now in the Nth nursing room
Patient name	XXXX	

Own video



Vital sensor display

Body temperature	XX°C
Pulse	XX
Blood pressure	XX-XX
SpO2	XX

Interrupt/Restart transmission	Leave	Return
-----------------------------------	-------	--------

Fig. 38

NURSE MENU SCREEN

Confirm a medical consultation-accepted person	Confirm a nursing room
Log-out	



**MEDICAL CONSULTATION-ACCEPTED**  
**PERSON CONFIRMATION SCREEN**

Call doctor

Select consultation room   ▽

Set

X year X month X day

Nth consultation room  
(Dr. XX is in charge)

No.	Patient ID	Patient name	Received at	Classification		Status
				Visit	At-home	
1	<u>XXXX</u>	XXXX	XX:XX	○		Finished (at XX:XX)
2	<u>XXXX</u>	XXXX	XX:XX		○	Finished (at XX:XX)
3	<u>XXXX</u>	XXXX	XX:XX	○		under consultation
4	<u>XXXX</u>	XXXX	XX:XX	○		
5	<u>XXXX</u>	XXXX	XX:XX		○	
· · · ·						

Return

Fig. 40

PATIENT'S FILE DISPLAY SCREEN

Patient ID        XXXX

Patient name    XXXX

Patient's file

Call patient

Enter nursing room

Return

Fig. 41

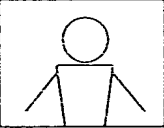
NURSING ROOM CONFIRMATION SCREEN

Call doctor

Select nursing room ▼

Set

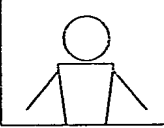
Nth nursing room  
 (Dr. XXXX is in charge)



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

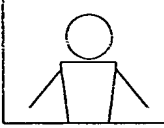
Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

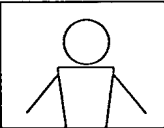
Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

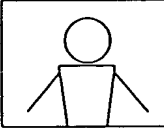
Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

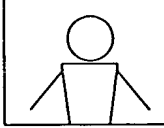
Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

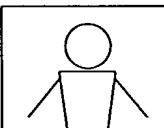
Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual


Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

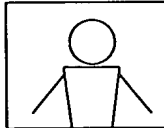
Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

Patient ID XXXX  
 Patient name XXXX



Body temperature XX°C  
 Pulse XX  
 Blood pressure XX-XX  
 SpO<sub>2</sub> XX

Auto
Manual

Patient ID XXXX  
 Patient name XXXX

General broadcast

Return

The diagram illustrates the layout of the Nurse Call Reception Screen. It features a central 'Patient video' area with a placeholder icon of a person. To the right, the 'Sensor display' shows vital signs: Body temperature (XX°C), Pulse (XX), Blood pressure (XX-XX), and SpO2 (XX). At the bottom, there are four buttons: 'Disconnect', 'Emergency notice', 'Auto', and 'Manual'.

```

graph TD
    Title[NURSE CALL RECEPTION SCREEN]
    PID[Patient ID XXXX]
    PName[Patient name XXXX]
    Video[Patient video]
    Sensor[Sensor display]
    BodyTemp[Body temperature XX°C]
    Pulse[Pulse XX]
    BP[Blood pressure XX-XX]
    SpO2[SpO2 XX]
    Auto[Auto]
    Manual[Manual]
    Disconnect[Disconnect]
    Emergency[Emergency notice]

    Title --- PID
    Title --- PName
    Video --- Sensor
    Sensor --- BodyTemp
    Sensor --- Pulse
    Sensor --- BP
    Sensor --- SpO2
    Auto --- Disconnect
    Manual --- Emergency
  
```

Fig. 43

DOCTOR MENU SCREEN

Call nurse

Doctor ID     XXXX  
Doctor name   XXXX

Enter consultation  
room

Confirm nursing  
room

Confirm medication

Confirm counseling

Log-out

Fig. 44

**MEDICAL CONSULTATION SCREEN**  
**(DOCTOR SIDE)**

Patient ID XXXX

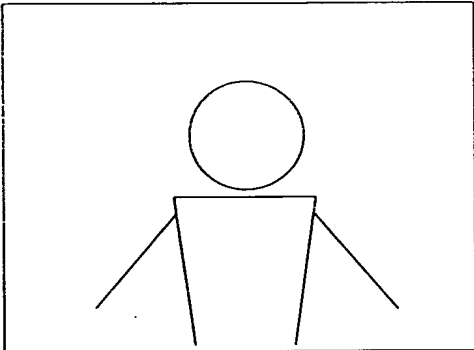
Patient name XXXX

Doctor ID XXXX

Doctor name XXXX

Notice of entrance

Patient video



Patient's file

▲

▼

Sensor display

Body temperature

XX°C

Pulse

XX

Blood pressure

XX-XX

SpO2

XX

Auto

Manual

X year X month X day

Nth consultation room reception data

No.	Patient ID	Patient name	Received at	Classification		Status
				Visit	At-home	
1	XXXX	XXXX	XX:XX	○		Finished (at XX:XX)
2	XXXX	XXXX	XX:XX		○	Finished (at XX:XX)
3	XXXX	XXXX	XX:XX	○		Under consultation
4	XXXX	XXXX	XX:XX	○		
5	XXXX	XXXX	XX:XX		○	

Terminate medical consultation

Write into the file

Return

Fig. 45

COUNSELING PROCESSING SCREEN

Doctor's IDXXXX

Doctor's nameXXXX

Patient IDXXXX

Patient nameXXXX

Date of counselingX year X month X day X O'clock X min.

Content of counseling

Entry of reply

Send

Reset

Next

Previous

Return

Fig. 46

REPLY MAIL OF COUNSELING

Patient ID

XXXX

Patient name

XXXX

Date of counseling

X year X month X day X o'clock X min.

Doctor who replied

YYYY

Date of reply

X year X month X day X o'clock X min.

Content of counseling

.....

.....

.....

▲

▼

Content of reply

.....

.....

.....

▲

▼

Return



Fig. 47

MEDICATION PROCESSING SCREEN

X year X month X day      Medication reception data

Doctor ID      XXXX

Doctor name    XXXX

No.	Patient ID	Patient name	Received at	Classification		Status
				Visit	At-home	
1	XXXX	XXXX	XX:XX	○		Finished (at XX:XX)
2	XXXX	XXXX	XX:XX		○	Finished (at XX:XX)
3	XXXX	XXXX	XX:XX	○		
4	XXXX	XXXX	XX:XX	○		
5	XXXX	XXXX	XX:XX		○	

Entry of doctor's comment

Permit

Not permit

Return